



Re: Ethylene Glycol
Rick McMillin to: Stevie Wilding
Cc: Cynthia Caporale, Jennifer Gundersen, Christy Warren

02/29/2012 05:18 PM

From: Rick McMillin/R6/USEPA/US
To: Stevie Wilding/ESC/R3/USEPA/US
Cc: Cynthia Caporale/ESC/R3/USEPA/US@EPA, Jennifer Gundersen/ESC/R3/USEPA/US@EPA, Christy Warren/R6/USEPA/US@EPA

Stevie,

I'm being told we can't do the list in your table at this time.

We should be able to do ethylene glycol and propylene glycol by GC/MS direct injection on a wax column like we did for the Gulf Oil Spill. However we have had troubles with our instrument that we are using so it has taken longer than expected. A standard is running now, so we should know more by morning. I think we should be able to achieve similar detection limits as the contractor lab did, but we are using a MS instead of an FID, so we might not be able to go quite as low. Hopefully we will know tomorrow.

Rick McMillin
Deputy Branch Chief
Region 6 Houston Lab
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Stevie Wilding Rick, This is great. Right now we have an ethylene glycol RLs at 10 ppm with... 02/29/2012 10:28:29 AM

From: Stevie Wilding/ESC/R3/USEPA/US
To: Rick McMillin/R6/USEPA/US@EPA
Cc: Cynthia Caporale/ESC/R3/USEPA/US@EPA, Jennifer Gundersen/ESC/R3/USEPA/US@EPA
Date: 02/29/2012 10:28 AM
Subject: Re: Ethylene Glycol

Rick,

This is great. Right now we have an ethylene glycol RLs at 10 ppm with the labs reporting down to their MDL (around 1-5ppm).

The table below is the list we are currently analyzing on our LC/MS/MS -- but we currently are unable to do ethylene glycol or propylene glycol. We get an unidentified peak in some of the samples at the same parent mass as 2-methoxyethanol. We believe this is propylene glycol. Can R6 do all of the glycols on our list including propylene and what levels can you obtain?

2-Methoxyethanol	Water	100	ug/L
2-Butoxyethanol	Water	10	ug/L
Di ethylene glycol	Water	25	ug/L
Tri ethylene glycol	Water	25	ug/L
Tetra ethylene glycol	Water	25	ug/L

Stevie Wilding, Chemist
Environmental Science Center
Analytical Services Branch
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"Our lives begin to end the day we become silent about things that matter."
-- Martin Luther King, Jr. --

Rick McMillin	Stevie, We have the column installed and ready to go. Ken Stevens is makin...	02/29/2012 10:38:44 AM
Stevie Wilding	The contract lab did analysis with GC/FID and did no confirmation analysis. ...	02/27/2012 04:59:28 PM
Rick McMillin	Stevie, I would like to help. However, timing isn't good for us, we have Nick o...	02/27/2012 04:37:15 PM
Stevie Wilding	Rick, We have another round of sampling to occur for 4 homes in Dimock nex...	02/27/2012 03:17:42 PM
Rick McMillin	Thanks Stevie, We really want to help and feel bad about the circumstances. ...	01/19/2012 04:39:34 PM
Stevie Wilding	Rick, Thanks for the update. Given the urgency of this sampling event -- we...	01/19/2012 03:33:07 PM
Rick McMillin	Stevie, My boss David Neleigh asked me to contact you about the ethylene gl...	01/19/2012 04:23:57 PM